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# LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE



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"An investment in knowledge always pays the best interest."  
--Benjamin Franklin.

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## NEW BOOKS

AGRICULTURAL PRICE ANALYSIS, by G. S. Shepherd. 2d. ed. rev. Iowa State College Press, 1947. 231p. 284.3 Sh4Ag

"In this book, principles of economic theory and methods of statistical analysis are applied to the study of agricultural prices. ...The book subjects agricultural prices to technical quantitative analysis. It begins with long-time movements of agricultural prices over the past 150 years, shows the causes of those movements, and projects a long-time forecast into the future. It then deals similarly with short-time movements, and with cyclic movements in the prices of individual farm products. Then comes an analysis of irregular annual movements. ...The book ends with an appraisal of the statistical significance of the results of price analyses." From the Preface.

AGRONOMY, PRINCIPLES AND PRACTICES, by L. F. Graver and H. L. Ahlgren. Wm. C. Brown Company, 1946. 151p. 452.8 G76

Though this work is neither complete nor final, the authors "have endeavored to present a general survey of the field of plant science in which they have tried to visualize some of the many applications of plant morphology, physiology, nutrition, pathology, genetics and ecology to farm practice." From the Preface.

AMERICA'S NEEDS AND RESOURCES, by J. F. Dewhurst and associates. The Twentieth Century Fund, 1947. 812p. 280.12 D512

The sub-title of this book is "A Twentieth Century Fund survey which includes estimates for 1950 and 1960." The authors of the survey have taken the measure, so to speak, of our entire economy in all its many fields and have provided in this volume the bench marks essential to any intelligent planning or appraisal. The six parts of the book are entitled Basic trends, Consumer requirements, Capital requirements, Government costs and foreign transactions, Resources and capacities, and Summary.

CHEMICALS, HUMUS, AND THE SOIL, by D.P. Hopkins. Faber & Faber, 1946. 278p. 57.4 H77

"The author of this book, a chemist, left agricultural research to enter agricultural industry. As a result of his contacts with farmers and others who look after the soil, he came to the conclusion that the scientific principles



underlying the uses and functions of both manures and fertilizers were often misunderstood. The book has a first section explaining some generally accepted views on chemical fertilizers and natural manures, and a second section which examines in detail the opinions of those who disapprove of the use of chemical fertilizers. Farmers and all those who are interested in the controversy about chemical fertilizers versus natural manures will find much to think about in this book, whose author believes that there is in fact no clash between chemical fertilizers and organic manures. Farming practices that affect fertility, such as cover-cropping, green-manuring, etc. are also discussed." From book jacket.

FISH PONDS FOR THE FARM, by F. C. Edminster. Scribner's, 1947. 114p. 414 Ed5

This book tells the story of fish ponds, ancient and modern, how to design and build them and how to stock and manage them. The author describes in detail the best location for the pond, the soil type and water supply needed, topography and drainage problems, and so forth. He gives complete instructions for building and landscaping the pond and indicates the help in design, construction and loan which can be obtained from Government agencies. Then he presents a thorough analysis of the problems of stocking and managing the pond for the maximum yield of fish.

FORWARD PRICES FOR AGRICULTURE, by D. G. Johnson. University of Chicago Press, 1947. 259p. 284.3 J63

This book is concerned with the development of a long-run price policy for agriculture. An idea of its scope may be secured from a glance at its table of contents: The goals of agricultural price policy; General principles of price policy; Uncertainty and resource use; Farm size, risk aversion, and capital rationing; Expected and realized prices in agriculture; Contribution of price policy to resource problem; Contribution of price policy to income problem; Price policy: the alternatives; Theory and practice of storage; Forward prices for one production period; Long-run income certainty and stability; Forward prices and the reduction of uncertainty; Operating forward prices in a democracy.

LAND ECONOMICS, by R. R. Renne. Harper, 1947. 736p. 282 R29

One of the most urgent problems facing the world today is that of the utilization of land resources. This book presents a comprehensive picture of the basic factors involved. It analyzes the planning and control of land use in the interests of improving the quality of human living. The material is presented in the light of the far-reaching economic and social changes which have so recently shaken the very foundations of society. The book is of importance for individuals and agencies concerned with soil conservation, farm credit, land reclamation, agricultural adjustment, farm appraisals, etc.

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#### PERIODICAL NOTES

We are working on the revision of periodical circulation lists. It takes time to revise thousands of cards, so do not be too discouraged if it takes a while for the magazines you requested to reach you.

Omitted from the November Periodical List:

Agronomic notes. irr. Pub. by National fertilizer association.

Food and agricultural organization of the United Nations. FAO bulletin. irr.

Research and farming. q. Pub. by N. C. agricultural experiment station.

Southern forestry notes. bi-m. Pub. by Southern Forest Experiment Station.  
 Notes on the results of investigations and experiments made by the Station.  
 Texas forest news. irr. Pub. by Texas forest service.

Ceased publication:

Consumer's guide. USDA. m. Federal science progress. U. S. Dept. of  
 Land policy review. BAE. q. Commerce. m.  
 Agriculture in the Americas. USDA. m.  
 (Merging with Foreign Agriculture.)

Dropped from our 1948 subscription list:

Amer. Academy of pol. and soc. sci. Annals	Kansas farmer
American builder	Mid-south cotton news
Amer. jour. of public health	Nutrition abstracts and reviews
Amer. medical assn. journal	The packer
Amer. statistical assn. journal	Parent's magazine
Annals of eugenics	Planning pamphlet series
Arkansas agriculturist	Poland China world
Co-operative digest	Polled hereford journal
Econometrica	Popular photography
Farm implement news	Public policy digest
Field and stream	Quarterly journal of economics
Foreign policy bulletin	Recreation
Forestry	Science newsletter
Hygeia	Scientific American
Jersey bulletin	Sugar
Jour. of home economics	Tax policy
Jour. of political economy	University of Chicago Round Table

Our book and periodical allotment for 1948 did not permit us to continue taking all the periodicals we had previously taken. We tried to cut things needed by the fewest people. For those of you who really need any of the above periodicals, we shall borrow them from another library. In some instances we are substituting another magazine. For example, if you were taking Farm Implement News and not Farm Equipment Retailing, we are transferring your name to the files for the latter magazine.

SELECTED BULLETINS

Agricultural Economics

"Farmers' Cooperative Handbook." Texas agr. col. ext. bul. 152. 1947. 28p.  
 275.29 T312  
 "The Legal Aspects of Farm Tenancy in Arkansas," by E. D. Solberg. Ark. agr. expt.  
 sta. bul. 468. June 1947. 84p. 100 Ar42 468  
 "A New Technique of Field Crop Labor Analysis," by R. T. Burdick. Colo. agr. expt.  
 st. Tech bul. 36. June 1947. 63p. 100 C71Te 36  
 "Peanuts in Southern Agriculture," by K. L. Bachman, G. B. Crowe, and K. V. Goodman.  
 BAE. May 1947. 112p.

Agronomy

"The Effect of Common Salt on Rice Production," by L. C. Kapp. Ark. agr. expt.  
 sta. Bul. 465. Feb. 1947. 7p. 100 Ar42 465



"The Effect of Controlling Weeds by Irrigation and Seeding Practices on Rice Yields," by L. C. Kapp and R. P. Bartholomew. Ark. agr. expt. sta. Bul. 467. June 1947. 7p. 100 Ar42

"Hairy Vetch." Fort Worth, Tex., Soil Conservation Service, June 1947. 12p. 1.9604

"Production of Hairy Vetch and its Utilization for Cotton Production," by J. L. Anthony. Miss. agr. expt. sta. Bul. 436. June 1946. 18p. 100 M69B

"Rhodes Grass in Texas," by R. C. Potts and R. L. Hensel. Tex. agr. expt. sta. Cir. 116. Sept. 1947. 17p. 100 T31S 116

#### Animal Diseases and Pests

"Relation Between Urinary Calculi and Use of Grain Sorghum in Steer-Fattening Rations in the Southern Great Plains," by W. H. Black and others. USDA Tech. Bul. 945. November 1947. 14p. 1 Ag84Te 945

"Results of Treating Bovine Mastitis With Sulfonamides Containing Urea," by W. W. Swett. USDA Tech. Bul. 946. November 1947. 17p. 1 Ag84Te 946

"The Spinose Ear Tick and Methods of Treating Infested Animals," by H. E. Kemper. USDA Farmers' Bul. 980. 1947. 10p. 1 Ag84F 980

#### Chemurgic Papers (318 N213P)

"Corn - A Great Chemurgic Product," by G. T. Peckham. Paper No. 624. 10p.

"Essential Elements in Tree Nutrition," by J. F. Wischhusen. Paper No. 612. 12p.

"Furfural - Versatile Chemurgic Product," by L. B. Hitchcock. Paper No. 620. 8p.

"Managing Hardwood Forests for Continuous Production," by O. D. Diller. Paper No. 621. 7p.

"Obtaining Optimum Yields From Forest Lands," by David Campbell. Paper No. 607. 8p.

"Pest Control Agents," by L. D. Dentley. Paper No. 606. 11p.

"Winning New Wealth from the Products of the Soil," by F. W. Cox, Jr. Paper No. 614. 8p.

#### Feeds and Feeding

"Comparative Values of Various Roughages For Wintering Feeder Calves," by N. W. Hilston and W. Gifford. Ark. agr. expt. sta. Bul. 463. 37p. 100 Ar42

"Feeding Experiments with Growing and Fattening Pigs," by J. P. Willman and F. B. Morrison. Cornell agr. expt. sta. Bul. 836. April 1947. 56p. 100 M48B

"Grazing Beef Cattle on Winter Growing Crops, 1946-47 Results," by R. H. Means and H. W. Bennett. Miss. Agr. expt. sta. cir. 133. Oct. 1947. 10p. 100 M69C

"A Handbook for Better Feeding of Livestock," by P. E. Howe and others. USDA Misc. Cir. 12. Revised October 1947. 71p. 1 Ag84Mc

"Winter Grazing in South Mississippi, 1946-47 Results," by J. B. Gill. Miss. agr. expt. sta. Cir. 134. October 1947. 14p. 100 M69C

#### Fertilizers

"Commercial Fertilizers in 1946-47," by J. F. Fudge and others. Tex. agr. expt. sta. Bul. 696. Oct. 1947. 41p. 100 T31S

"Fertilizer Handbook for Arizona Farmers," by W. T. McGeorge. Ariz. agr. expt. sta. Bul 209. September 1947. 37p. 100 Ar4B 209

"The Value of Liquid Manure for Pasture," by F. B. Wolberg and others. Wash. agr. expt. sta. Bul. 457. 19p. 100 W27E

### Forestry

"Converting Factors and Tables of Equivalents Used in Forestry," by E. N. Munns and others. Revised July 1947. USDA Misc. Pub. 225. 48p. 1 Ag84M 225

"Cost of Hauling Logs by Motor Truck and Trailer," by J. J. Byrne and others. Pacific Northwest forest and range expt. sta. October 1947. 112p.

"The Effects on Mammals of DDT Used in Forest Insect Control in the Northern Rocky Mountains," by L. Adams. Northern Rocky Mtn. for. and range expt. sta. Research Note 56. November 21, 1947. 3p. 1.9622 N3R31

"Farms and Forests of Eastern Kentucky in Relation to Population and Income: An Appraisal of Population and Land Resources and Their Potentials," by W. A. Duerr and others. Ky. agr. expt. sta. Bul. 507. August 1947. 56p. 100 K41B

"Management Practices for Christmas Tree Production," by C. A. Wellner and A. L. Roc. Northern Rocky Mtn. for. and range expt. sta. Sta. Paper 9. Nov. 1947. 21p. 1.9622 N3St1

"Pinus: Propagation of Experimental Stock," by A. R. Liddicoat and E. F. Kimbrough. Calif. for. and range expt. sta. For. Res. Notes 56. October 15, 1947. 8p. 1.9 F7626R

"Trees and Tree Planting for Posts, Windbreaks, and Erosion Control," by M. Afanasiev. Okla. agr. expt. sta. Bul. 314. November 1947. 22p. 100 O44B

"Woodlands and Farm Economy of East Tennessee," by R. F. Kroodsma. Tenn. agr. expt. sta. Bul. 204. June 1947. 38p. 100 T25S

### Insects and Insecticides

"Equipment for the Dispersal of DDT Insecticides by Means of Aircraft," by C. N. Husman and others. Bureau of Entomology and Plant Quarantine ET-228. May 1947. 17p. and plates. 1.9 En83Et

"Household Insects," by C. A. King. Tex. agr. col. Ext. Bul. 151. 1947. 16p. 275.29 T312 151

### Milk Production

"Milk Production From a Year Around Feed and Forage Cropping System in the Piedmont and Upper Coastal Plain Areas," by J. C. Grimes and others. Ala. agr. expt. sta. Prog. Rpt. Ser. 37. November 1947. 5p. 100 AL1P 37

"Relative Milk Production of Cows in Pen Barns and Stanchion Barns," by R. R. Graves and others. USDA Cir. 763. 7p. November 1947. 1 Ag84C

### Plant Diseases and Pests

"The Armyworm and Its Control," by W. R. Walton and C. M. Packard. USDA Farmer's Bul. 1850. 10p. Sl. rev. October 1947. 1 Ag84F

"The Biology of the Maple Leaf Scale," by W. J. Baerg. Ark. agr. expt. sta. Bul. 470. June 1947. 14p. 100 Ar42 470



- "Corn Seed Treatment," by E. H. Cralley. Ark. agr. expt. sta. Bul. 466. February 1947. 10p. 100 442 466
- "Log Treatments for Bark Beetle Control in Connection With the Dutch Elm Disease," by D. P. Connors, and others. Cornell agr. expt. sta. Bul. 841. Sept. 1947. 43p. 100 148B

### Range

- "Early Marketing of Range Cattle Pays." USDA AIS-66. 1947. 9p. 1 Ag844i
- "Is Rotational Grazing on Native Range Practical?" by H. H. Biswell and J. E. Foster. N. C. agr. expt. sta. bul. 360. May 1947. 17p. 100 N81 360
- "Phosphorus For Range Cattle," by L. H. Tash and others. Tex. agr. expt. sta. Progress Rpt. 1100. Dec. 10, 1947. 3p. 100 T31P 1100

### Soil Conservation

- "Basic Principles Underlying the Work of the Soil Conservation Service of the U. S. Department of Agriculture." 13p. 1.96 Ad6Bas
- "Conservation Benefits Survey," by J. W. Barnard. SCS, Upper Darby, Pa. Jan. 29, 1947. 1.9601 C764
- While this paper gives results of a survey made in the Northeast, it might be interesting for comparative purposes.
- "Estimates of Conservation Needs by Farm Credit Districts." FCA. April 1947. 10p. and tables. 1.955 E2Es8
- "Man's Responsibility to the Land," by T. S. Buie. Spartanburg, S. C., SCS. March 10, 1947. 3p. 1.9602 B86
- "A Significant Decade in Soil Conservation," by H. H. Bennett. Aug. 13, 1947. 12p. 1.96 Ad62
- "Soil and Water Conservation - Our Most Urgent Farm Problem," paper by H. H. Bennett. June 24, 1947. 11p. 1.96 Ad62
- "Soil Conservation and Rural Life," address by H. H. Bennett. July 30, 1947. 16p. 1.96 Ad62S
- "Soil Conservation - A Primary Step in Flood Control," address by J. C. Dykes. June 19, 1947. 11p. 1.96 Ad6Dy
- "Soil Conservation Can't Stand Still," address by H. H. Bennett. July 22, 1947. 13p. 1.96 Ad62So
- "Soil Conservation Pays for Irrigated Lands: More Than 25 Examples." Lincoln, Nebr. SCS. Sept. 1, 1946. 11p. 1.9607 S0324

### Soils

- "Acid Soils in Oklahoma: Where They Are Located, and How They Form," by H. J. Harper. Okla. agr. expt. sta. Bul. 313. Nov. 1947. 29p. 100 Ok4B 313
- "Crop Adaptation to Soils of Varying Acidity or Alkalinity," by H. J. Harper. Okla. agr. expt. sta. Bul. 316. Dec. 1947. 15p. 100 Ok4B
- "Effect of Fertilizers on Soil Acidity and Alkalinity," by H. J. Harper. Okla. Agr. expt. sta. Bul. 312. Nov. 1947. 11p. 100 Ok4B 312
- "Removal of Alkali by Drainage and Leaching," by T. J. Dunnewald. Wyo. agr. expt. sta. bul. 276. June 1946. 28p. 100 W99





